



UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549

DIVISION OF  
CORPORATION FINANCE

Mails Stop 3561

May 7, 2018

Via E-mail

Bonnie H. Anderson  
Chairman and Chief Executive Officer  
Veracyte, Inc.  
6000 Shoreline Court, Suite 300  
South San Francisco, CA 94080

**Re: Veracyte, Inc.  
Registration Statement on Form S-3  
Filed May 1, 2018  
File No. 333-224576**

Dear Ms. Anderson:

This is to advise you that we have not reviewed and will not review your registration statement.

Please refer to Rules 460 and 461 regarding requests for acceleration. We remind you that the company and its management are responsible for the accuracy and adequacy of their disclosures, notwithstanding any review, comments, action or absence of action by the staff.

Please contact Ronald E. Alper at (202) 551-3329 with any questions.

Sincerely,

/s/ Pamela Howell  
for

John Reynolds  
Assistant Director  
Office of Beverages, Apparel and  
Mining

cc: Robert A. Freedman, Esq.  
Fenwick & West LLP